Index of Claims

| App | lica | tion | /Con | itrol | No. |
|-----|------|------|------|-------|-----|
|-----|------|------|------|-------|-----|

10/051,664

Examiner

Fadey S. Jabr

Applicant(s)/Patent under Reexamination

**BRANDT ET AL.** 

Art Unit

3639

| <b>→</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| I | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|                 |  | _        |  |              |  |  |  | '  |  |          |  |
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| Cla             | im                                     | Date     |  |              |  |  |  |  |  |          |  |
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| -               | Original                               | 7/17/06  |  |              |  |  |  |  |  |          |  |
| Final           | ij                                     | 12       |  |              |  |  |  |  |  |          |  |
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|                 | 1<br>2<br>3<br>4<br>5                  | ٧.       | H  |              |  | $\vdash$   | _  | _  | _  | $\dashv$ |  |
|                 | 2                                      | 1        | _  |              |  |  |  |  |  | $\dashv$ |  |
|                 | 3                                      | Ц        |  |              |  |  |  |  |  | $\Box$   |  |
|                 | 4                                      | Ш        |  |              |  |  |  |  |  | Щ        |  |
|                 | 5                                      | Ш        |  |              |  | _  |  |  |  | Щ        |  |
|                 | 6                                      | Ш        |  |              |  |  |  |  |  |          |  |
|                 | 7                                      |          |  |              |  |  |  |  |  |          |  |
|                 | 8                                      |          |  |              |  |  |  |  |  |          |  |
|                 | 9                                      | П        |  |              |  |  |  |  |  |          |  |
|                 | 10                                     | П        |  |              |  |  |  |  |  |          |  |
|                 | 11                                     | П        |  |              |  |  |  |  |  |          |  |
|                 | 11<br>12<br>13<br>14<br>15<br>16<br>17 | П        |  |              |  |  |  |  |  |          |  |
|                 | 13                                     | П        | Г  |              |  |  |  |  |  | $\sqcap$ |  |
|                 | 14                                     | П        |  |              |  | П  |  |  | $\Box$   | П        |  |
|                 | 15                                     | П        | T  |              | Г  | Г  | М  | Т  | _  | Н        |  |
|                 | 16                                     | H        |  | $\vdash$     | $\vdash$   | $\vdash$   | _  |  |  |          |  |
| <del></del>     | 17                                     | H        |  | $\vdash$     |  | Н  |  | $\vdash$   |  |          |  |
|                 | 18                                     | H        | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | Н  |  | $\vdash$   |          |  |
|                 | 18<br>19                               | Н        | ┢  | ┢            | $\vdash$   | $\vdash$   | H  | -  |  | —        |  |
| ├               | 20                                     | ╁╂╌      | ├  | ┢            | -  | -  | -  |  | H  | $\vdash$ |  |
|                 | 20                                     | ╁        | -  | -            |  | $\vdash$   |  |  | <u> </u>   | Н        |  |
|                 | 21<br>22                               | ₩        | H  | -            | -  | H  | H  | -  | —  |          |  |
|                 | 22                                     | ₩        | ⊢  | -            | <u> </u>   |  | <del> </del>                                     | -  | -  | H        |  |
|                 | 23<br>24<br>25                         | ₩        | <del> </del>                                     | -            | -  |  | -  |  | _  | Н        |  |
| <u> </u>        | 24                                     | ╀        | ├  | _            |  | ⊢  | <u> </u>   | _  | _  | Н        |  |
|                 | 20                                     | Н        | ⊢  |              |  | H  | ┝  | _  | $\vdash$   |          |  |
| <u> </u>        | 26<br>27<br>28                         | H        | _  | _            |  | _  | ⊢  | <u> </u>   | <u> </u>   | $\vdash$ |  |
| <u> </u>        | 27                                     | H        | _  | $\vdash$     | _  | _  | <u> </u>   | _  | ldash  | $\vdash$ |  |
| <u> </u>        | 28                                     | L.W.     | <u> </u>   | <u> </u>     | -  | <u> </u>   | <u> </u>   | ļ  | L.   | Щ        |  |
|                 | 29<br>30                               | <u> </u> | <u> </u>   | <u> </u>     |  | _  | <u> </u>   | <u> </u>   | _  | Щ        |  |
|                 | 30                                     | <u> </u> | <u> </u>   |              | L  |  |  | _  | _  | Щ        |  |
|                 | 31<br>32                               | ــــــ   | _  | _            | _  | _  | _  | <u> </u>   | <u> </u>   | Ш        |  |
| <u> </u>        | 32                                     | <u> </u> |  | _            | $oxed{oxed}$                                     |  |  |  | _  | Ш        |  |
| L               | 33                                     | 1_       | _  | <u> </u>     | _  |  |  | <u> </u>   | <u>_</u>   |          |  |
|                 | 34<br>35                               | <u> </u> |  |              | _  |  | L  | _  | _  | Ш        |  |
|                 | 35                                     |          |  | $oxed{oxed}$ | ot   |  |  |  | $ldsymbol{ld}}}}}}$ | Ш        |  |
|                 | 36                                     |          |  |              |  |  |  |  |  |          |  |
|                 | 37                                     |          |  |              |  | Ĺ  |  | Ĺ  |  |          |  |
|                 | 38                                     |          |  |              |  |  |  |  |  |          |  |
|                 | 39                                     | $\Gamma$ |  |              |  |  |  |  | L  |          |  |
|                 | 40                                     | T        |  |              |  |  | Γ  |  |  | П        |  |
|                 | 41                                     | Τ        |  | Γ            |  |  |  |  |  | П        |  |
|                 | 42                                     | T        | Γ  |              |  |  |  |  |  | П        |  |
|                 | 43                                     | $\vdash$ | 1  |              |  | $\vdash$   | $\vdash$   | <del>                                     </del> |  | П        |  |
| $\vdash$        | 44                                     | T        | t  |              |  | <del>                                     </del> | 1  |  |  | Н        |  |
|                 | 45                                     | +-       | <del>                                     </del> | <del> </del> | <del>                                     </del> | Н  | $\vdash$   | <del>                                     </del> | <del>                                     </del>   | $\vdash$ |  |
| $\vdash$        | 46                                     | +-       | $\vdash$   | $\vdash$     | <del>                                     </del> |  | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$ |  |
| <del> </del>    | 47                                     | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$   | ⊢  | $\vdash$   | $\vdash$   | -  | $\vdash$ |  |
| $\vdash \vdash$ | 48                                     | $\vdash$ | -  | $\vdash$     | -  | <del> </del>                                     | -  | $\vdash$   | $\vdash$   | $\vdash$ |  |
| <del></del>     | 49                                     | $\vdash$ | $\vdash$   | $\vdash$     |  | <del>  -</del>                                   | ╁  | $\vdash$   | -  | Н        |  |
|                 | 50                                     | ╁        | ┼-   | ├            | ⊢  | -  | ├-   | $\vdash$   | <del> </del> —   | Н        |  |
| 1               | - 711                                  |          |  |              |  |  |  |  |  |          |  |

| laim     |           |                  |  |          | Date   |          |  |  |              |     | Cla          | im       |          |        |  |          | ate  | •  |          |           |                |
|----------|-----------|------------------|--|----------|--|----------|--|--|--------------|-----|--------------|----------|----------|--------|--|----------|--|--|----------|-----------|----------------|
|          | 90        |                  |  |          |  |          |  |  |              |     |              |          |          |        |  |          |  |  |          |           |                |
| Original | 7/17/06   |                  |  |          |  |          |  |  |              |     | Final        | Origina  |          |        |  |          |  |  |          |           |                |
| 1        | 1         | ╁                | Г  | _        |  |          |  |  |              |     |              | 51       |          | $\neg$ |  |          |  |  |          | $\exists$ | $\exists$      |
| 3        | 1         |                  |  |          |  |          |  |  |              |     |              | 52       |          |        |  |          |  |  |          |           | $\Box$         |
|          | П         |                  |  |          |  |          |  |  |              |     |              | 53       |          |        |  |          |  |  |          |           |                |
| 4        | П         |                  |  |          |  |          |  |  |              | )   |              | 54       |          |        |  |          |  |  |          |           |                |
| 5        | $\prod$   |                  |  |          |  |          |  |  |              |     |              | 55       |          |        |  |          |  |  |          |           |                |
| 6        | П         |                  |  |          |  |          |  |  |              |     |              | 56       |          |        |  |          |  |  |          |           |                |
| 7        | П         |                  |  |          |  |          | _  |  | _            |     |              | 57       |          |        |  |          |  | Ш  |          | Ш         | ┙              |
| 8        | Ц         |                  | L  |          |  |          |  |  |              |     |              | 58       |          |        |  |          |  |  |          |           | _              |
| 9        | Ц         |                  | L  |          |  |          |  |  | L.           |     |              | 59       |          |        |  |          |  |  |          |           |                |
| 10       | П         | <u> </u>         |  |          |  |          | _  |  |              |     |              | 60       | Щ        | _      |  |          |  |  |          | Ш         | _              |
| 11       | П         | _                | _  |          |  |          |  | _  | <u> </u>     |     |              | 61       |          |        |  |          |  | Щ  |          | $\square$ | _              |
| 12       | Ц         | <u> </u>         | L  |          |  |          |  | <u> </u>   | ļ            |     |              | 62       |          |        |  |          |  |  |          |           | _              |
| 13       | Ц         | _                | <u> </u>   |          |  |          |  | <u> </u>   |              |     |              | 63       |          |        |  |          |  |  | _        |           |                |
| 14       | Н         | <u> </u>         | _  |          |  |          |  |  | <u> </u>     |     |              | 64       |          |        |  |          |  |  |          |           |                |
| 15       | П         |                  | _  |          | _  | _        |  | ļ  | <u> </u>     |     |              | 65       | Ш        |        |  |          |  |  |          |           | _              |
| 16       | $\sqcup$  | _                | L  |          | $\vdash$   |          | _  | <u> </u>   | L            |     |              | 66       |          |        |  |          |  |  |          |           | _              |
| 17       | $\sqcup$  | 1                |  |          | $oxed{oxed}$                                     |          |  | <u> </u>   | ļ            |     |              | 67       |          |        |  |          |  |  |          | Ш         |                |
| 18       | Н         | _                | <u> </u>   |          | _  |          | _  | <u> </u>   | <u> </u>     | ļ   |              | 68       | Ш        |        |  |          |  | $\Box$   |          | $\vdash$  |                |
| 19       | ┦         | -                | ┡  | _        | _  | _        |  |  | _            | ł   |              | 69       |          |        |  |          |  |  |          | Н         | $\blacksquare$ |
| 20       | H         | ╁                | <u> </u>   |          |  |          |  |  |              | Į į |              | 70       | Ш        |        |  |          | $\vdash$   |  |          | Н         |                |
| 21       | 11        | ┿                | <u> </u>   |          |  |          |  | <u> </u>   |              | ļ   |              | 71       | Н        |        |  |          | <u> </u>   | $\vdash$   |          | $\vdash$  | _              |
| 22       | H         | $\vdash$         | ├_   | _        |  | <u> </u> |  |  | _            |     |              | 72       | $\vdash$ |        | _  |          | <u> </u>   | _  |          | Н         | $\dashv$       |
| 23       | ₩         | ╁—               | ├-   |          | <u> </u>   | <u> </u> |  |  |              |     |              | 73       | H        |        |  |          | -  | _  |          | Н         | $\vdash$       |
| 24       | H         | ┼                | ├_   |          | ⊢  | <u> </u> |  |  | ⊢            | -   |              | 74       |          |        |  | -        | -  | -  |          | Н         | $\dashv$       |
| 25       | ₩         | ╄                | ┝  |          | <u> </u>   | <u> </u> | <u> </u>   | _  | <del> </del> | 1   |              | 75       | H        |        | _  |          | <u> </u>   | H  |          |           |                |
| 26       | ╀         | ╁                | ┢  |          | ┝  | <u> </u> | <u> </u>   | ⊢  | _            | ł   |              | 76<br>77 | Н        |        |  |          | _  | H  |          | $\vdash$  | Н              |
| 27       | Н         | -                | $\vdash$   | $\vdash$ | _  | ⊢        | -  | ⊢  | -            | ┨   | <u> </u>     | 78       |          |        |  |          | -  | H  |          | Н         | Н              |
| 28<br>29 | 1         | 4—               | ├  |          | -  | ⊢        | -  | -  | ⊢            | ł   | <u> </u>     | 79       | $\vdash$ | _      |  |          |  | -  | _        | $\vdash$  |                |
| 30       | ╁         | +                | $\vdash$   |          | -  | -        | ┝  | -  | ⊢            | ł   |              | 80       | H        |        | _  |          | ├  |  | —        | $\vdash$  | $\dashv$       |
| 31       | ╁         |                  | -  | ┝        |  | -        | -  | $\vdash$   | ⊢            | 1   | <u> </u>     | 81       | H        | -      | _  | -        | ├  | ┢  | -        | Н         | $\dashv$       |
| 32       | ╁         | +                | $\vdash$   | ┝        |  | -        | $\vdash$   | $\vdash$   | $\vdash$     | 1   | <del> </del> | 82       |          |        |  | ⊢        | -  |  |          | Н         | -              |
| 33       | ╁         | +                | <del> </del>                                     |          |  |          | -  | ┢  | ⊢            | 1   | <b> </b>     | 83       | $\vdash$ |        |  | Н        | $\vdash$   | $\vdash$   |          |           |                |
| 34       | ╁         | ╁                | <del> </del>                                     | -        |  |          | ┢  | ┢  |              | ┨   |              | 84       | $\vdash$ |        | H  | $\vdash$ | <del>                                     </del> | -  | -        | H         | -              |
| 35       | +         | +                | <u> </u>   |          | $\vdash$   |          | $\vdash$   | ┢  | $\vdash$     | ┧   | <del></del>  | 85       |          |        | Н  | ┢        |  | -  |          | $\vdash$  | $\vdash$       |
| 36       | +         | ╁                | 1  |          | ┢  |          |  | $\vdash$   | ╁            | 1   |              | 86       | $\vdash$ |        | -  | -        | ┢  | $\vdash$   | -        |           |                |
| 37       | $\dagger$ | 1-               | <del>                                     </del> | -        | <del>                                     </del> | $\vdash$ |  |  | ✝            | 1   |              | 87       |          |        | $\vdash$   | Ι        | $\vdash$   | Н  | $\vdash$ | $\vdash$  | $\Box$         |
| 38       | t         | 1                | t  | T        |  | $\vdash$ | $\vdash$   | $\vdash$   | <u> </u>     | 1   | <b></b>      | 88       | Г        | Т      | $\vdash$   | $\vdash$ | <del> </del>                                     | <del>                                     </del> | $\vdash$ | П         | $\dashv$       |
| 39       | †~        | $\top$           | 1  | <u> </u> |  | ┢        | 一  | <del>                                     </del> | 1            | 1   |              | 89       | 1        | _      | <del>                                     </del> |          | Г  | T  |          |           |                |
| 40       | ✝         | t                | İ  |          |  | ┢        |  |  |              | 1   |              | 90       |          |        |  |          |  |  |          |           |                |
| 41       | 1         | $\top$           | 1  |          |  | _        | _  | $\Box$   | ⇈            | 1   |              | 91       |          |        |  |          |  |  |          | П         |                |
| 42       | 1         | $\top$           | T  |          |  | Т        |  |  |              | 1   |              | 92       |          |        |  |          |  |  |          |           |                |
| 43       | T         | $\dagger$        | T  |          |  | $\vdash$ | <del>                                     </del> |  | П            | 1   |              | 93       | П        |        |  |          |  | $\Box$   |          | $\Box$    | М              |
| 44       | T         | 1                |  | Г        |  |          | Γ  |  | Г            | 1   |              | 94       |          |        |  |          |  |  |          |           |                |
| 45       | Ι         | $\mathbf{I}^{-}$ |  |          |  |          |  |  |              | ]   |              | 95       |          |        |  |          |  |  |          |           |                |
| 46       | Ι         | T                |  |          | L  |          |  |  |              | ]   |              | 96       |          |        |  |          |  |  |          |           |                |
| 47       |           |                  |  |          |  |          |  |  |              |     |              | 97       |          |        |  |          |  |  |          |           |                |
| 48       | Ι         | $oxed{\Box}$     |  |          |  |          |  |  |              | ]   |              | 98       |          |        |  |          |  |  |          |           |                |
| 49       |           |                  |  |          |  |          | 匚  |  | Ľ            | 1   |              | 99       |          |        |  |          |  | 匚  |          |           | Ш              |
| 50       | L         |                  | 匸  |          |  |          |  |  |              | ]   |              | 100      | L        |        | L_   | L        |  |  | L        | L_        |                |
|          |           |                  |  |          |  |          |  |  |              | -   |              |          |          |        |  |          |  |  |          |           |                |

| Cla          | aim  |              |          |          |  | Date   |  |          |              |          |
|--------------|--|--------------|----------|----------|--|--|--|----------|--------------|----------|
|              |  |              |          |          |  |  |  |          | ヿ            |          |
| Final        | Original   |              |          |          |  |  |  |          |              |          |
|              | 101  |              |          |          |  | Н  | Н                                      |          | $\neg$       | ᅥ        |
|              | 101<br>102   |              |          |          |  |  |  |          | $\Box$       | ヿ        |
|              | 103  |              |          |          |  |  |  |          |              | $\neg$   |
|              | 104  |              |          |          |  |  |  |          |              |          |
|              | 103<br>104<br>105                                    |              |          |          |  |  |  |          |              |          |
|              | i 106 i  |              |          |          |  |  |  |          |              |          |
|              | 107<br>108<br>109                                    |              |          |          |  |  |  |          |              |          |
|              | 108  |              |          |          |  |  |  |          |              |          |
|              | 109  |              |          |          |  |  |  | _        |              |          |
|              | 110<br>111   |              |          |          |  |  |  |          |              | {        |
|              | 111  |              | Н        | -        |  |  |  | _        | Н            | ႕        |
|              | 112  |              |          | $\vdash$ | <u> </u>   |  | $\vdash$                               | $\vdash$ |              | $\dashv$ |
|              | 114  |              | -        | -        |  | -  | ┝                                      | -        |              | $\dashv$ |
|              | 115  | <del> </del> |          | ┢        | -  | -  | ┝                                      |          |              | $\dashv$ |
|              | 116  | $\vdash$     | -        |          | -  |  |  |          |              | $\dashv$ |
|              | 112<br>113<br>114<br>115<br>116<br>117               |              | _        | ┢        | -  | _  |  |          |              |          |
|              | 118  | $\vdash$     |          |          |  |  | Г                                      |          |              |          |
|              | 118<br>119   |              |          |          |  |  | <u> </u>                               |          |              | $\neg$   |
|              | 120  |              |          |          |  |  |  |          |              |          |
|              | 121  |              |          |          |  |  |  |          |              |          |
|              | 122  |              |          |          |  |  |  |          |              |          |
|              | 123  |              |          |          |  |  |  | L        |              |          |
|              | 120<br>121<br>122<br>123<br>124<br>125               | _            | _        | L        | _  | _  | _                                      |          |              |          |
|              | 125  | _            | _        | _        | L  | <u> </u>   | <u> </u>                               | L        |              |          |
|              | 126  | _            | _        | _        | <u> </u>   | $\vdash$   | _                                      | <u> </u> | ļ            |          |
|              | 127  | <u> </u>     | <u> </u> | <u> </u> | _  | _  | _                                      | <u> </u> | <u> </u>     | -        |
| <u> </u>     | 126<br>127<br>128<br>129<br>130<br>131<br>132<br>133 | -            | <u> </u> | $\vdash$ | ├  |  | -                                      | ⊢        | L            |          |
|              | 129  | $\vdash$     | ⊢        | $\vdash$ | $\vdash$   |  | ├-                                     | <u> </u> | _            |          |
|              | 130  | -            | ⊢        | ⊢        | $\vdash$   |  |  | ┝        | ┢            | $\vdash$ |
| <b> </b>     | 132  |              | -        | ⊢        | -  | $\vdash$   | -                                      | -        |              |          |
|              | 133  |              | $\vdash$ | -        | <del>                                     </del> | ├  | H                                      | -        |              |          |
|              | 134  |              | Н        | <u> </u> |  |  | _                                      | $\vdash$ |              |          |
| <del></del>  | 135  | 1            | 一        |          |  | Г  | $\vdash$                               |          |              |          |
| <u> </u>     | 136  |              |          | Ī        | T .  | _  |  |          |              |          |
|              | 137<br>138   |              |          | T        | Г  |  |  |          |              |          |
|              | 138  |              |          |          |  |  |  |          |              |          |
|              | 139  |              |          | 匚        |  |  |  | 匚        | 匚            |          |
|              | 140  | $oxed{oxed}$ |          | ļ        | <u> </u>   | Ļ  | $oxed{oxed}$                           | _        | L            | $\sqcup$ |
|              | 141  | <u> </u>     | <u> </u> | <u> </u> | _  | <u> </u>   | <u>L</u>                               | <u> </u> | <b> </b>     | <u> </u> |
|              | 142  | ļ            | <u> </u> | _        | <u> </u>   | <u> </u>   | Ļ                                      | <u> </u> | <del> </del> |          |
| <u> </u>     | 143  | 1            | <u> </u> | ├        | ├-   | ├-   | -                                      | ⊢        | $\vdash$     | <u> </u> |
|              | 144  | ├            | -        | ┢        | -  | ⊢  | ├-                                     |          | ├-           | -        |
| <del></del>  | 145  | $\vdash$     | -        | $\vdash$ | $\vdash$   | $\vdash$   | ├                                      | ├-       | <del> </del> | -        |
| -            | 146<br>147   | ├            | -        | ├-       | -  | ┼  | ├                                      | -        | $\vdash$     | $\vdash$ |
| <b> </b>     | 148  | $\vdash$     |          | -        | $\vdash$   | ├  | $\vdash$                               | $\vdash$ | -            | $\vdash$ |
| <del> </del> | 149  | ╁            | -        | 1        | $\vdash$   | <del>                                     </del> | +                                      | $\vdash$ | H            |          |
|              | 150  | H            | $\vdash$ | $\vdash$ | H  | $\vdash$   | 1                                      | 一        | $\vdash$     | ┢        |
| Щ.           | 1 130  | Ь.           |          |          | ь.   | 1  | ــــــــــــــــــــــــــــــــــــــ |          | ـــــا       | <b></b>  |